

CLAIMS

1. A pluggable transceiver comprising:
a housing having a front wall defining a receptacle for receiving a fiber optic connector; and
a release mechanism including a faceplate pivotably connected to the housing such that the faceplate is rotatable from a first position in which the faceplate is positioned over the front surface of the housing to a second position in which the faceplate is pivoted away from the front surface of the housing.
2. The pluggable transceiver according to Claim 1, wherein the faceplate defines a front opening that is aligned with the receptacle when the faceplate is in the first position.
3. The pluggable transceiver according to Claim 2, wherein the faceplate further includes a top wall that is positioned to block insertion of the fiber optic connector into the receptacle when the faceplate is in the second position.
4. The pluggable transceiver according to Claim 3, wherein the top wall includes a curved surface shaped to facilitate manual removal of the pluggable transceiver.
5. The pluggable transceiver according to Claim 1, further comprising a pin inserted into a first through hole formed adjacent to the front surface of the housing, and inserted into a second through hole defined in a flange of the faceplate.

6. The pluggable transceiver according to Claim 1, further comprises a lever connected to the housing by torsion members and having first end located adjacent to the faceplate,

wherein the torsion members bias the lever into a locked position when the faceplate is in the first position, and

wherein the faceplate includes a cam positioned to displace the first end of the lever when the faceplate is moved into the second position such that the lever is pivoted relative to the housing around an axis defined by the torsion members.

7. The pluggable transceiver according to Claim 6, wherein the lever further comprises a second end located such that the torsion members are positioned between the first end and the second end, wherein the second end includes a forked member.

8. The pluggable transceiver according to Claim 6, wherein the lever further comprises a second end located such that the torsion members are positioned between the first end and the second end, wherein the second end includes a boss.

9. A pluggable transceiver comprising:

a housing having a front wall defining a receptacle for receiving a fiber optic connector; and

a release mechanism including:

a faceplate pivotably connected to the housing such that the faceplate is rotatable from a first position to a second position, wherein the faceplate includes a cam; and

a lever movably mounted on the housing and having a first end located adjacent to the cam,

wherein the cam is formed such that when the faceplate is rotated from the first position to the second position, the first end of the lever is displaced by the cam such that

the lever moves from an unbiased position to a biased position.

10. The pluggable transceiver according to Claim 9, wherein the faceplate defines a front opening that is aligned with the receptacle when the faceplate is in the first position.

11. The pluggable transceiver according to Claim 9, wherein the faceplate further includes a top wall that is positioned to block insertion of the fiber optic connector into the receptacle when the faceplate is in the second position, and

wherein the top wall includes a curved surface shaped to facilitate manual removal of the pluggable transceiver.

12. The pluggable transceiver according to Claim 9, further comprising a pin inserted into a first through hole formed adjacent to the front surface of the housing, and inserted into a second through hole defined in a flange of the faceplate.

13. The pluggable transceiver according to Claim 9, wherein the lever is connected to the housing by torsion members that bias the lever into a locked position when the faceplate is in the first position,

wherein the lever includes a second end located such that the torsion members are positioned between the first end and the second end, and

wherein the second end includes a forked member.

14. The pluggable transceiver according to Claim 9, wherein the lever is connected to the housing by torsion members that bias the lever into a locked position when the faceplate is in the first position,

wherein the lever includes a second end located such that the torsion members are positioned between the first end and the second end, and

wherein the second end includes a boss.

15. A transceiver assembly comprising:

a cage defining a front opening and including a lower wall having a transceiver latch; and

a pluggable transceiver removably insertable into the front opening of the cage and connected to the cage by a boss inserted into the transceiver latch, the pluggable transceiver including:

a housing having a front surface defining a receptacle for receiving a fiber optic connector; and

a release mechanism including:

a faceplate pivotably connected to the housing such that the faceplate is rotatable from a first position position in which the faceplate is located adjacent to the front wall of the housing to a second position in which the faceplate is positioned away from the front surface of the housing, wherein the faceplate includes a cam; and

a lever movably mounted on the housing and having a first end located adjacent to the cam,

wherein the cam is formed such that when the faceplate is rotated from the first position to the second position, the first end of the lever is displaced by the cam such that the lever moves from an unbiased position in which the boss is engaged with the transceiver latch, to a biased position in which the boss is disengaged from the transceiver latch.

SEARCHED
INDEXED
MAILED
FILED
RECORDED
SEARCHED
INDEXED
MAILED
FILED
RECORDED

16. The transceiver assembly according to Claim 15, wherein the faceplate defines a front opening that is aligned with the receptacle when the faceplate is in the first position.

17. The transceiver assembly according to Claim 15, wherein the faceplate further includes a top wall that is positioned to block insertion of the fiber optic connector when the faceplate is in the second position, and

wherein the top wall includes a curved surface shaped to facilitate manual removal of the pluggable transceiver.

18. The transceiver assembly according to Claim 15, further comprising a pin inserted into a first through hole formed adjacent to the front surface of the housing, and inserted into a second through hole defined in a flange of the faceplate.

19. The transceiver assembly according to Claim 15, wherein the boss is formed on a lower wall of the housing; wherein the lever is connected to the housing by torsion members that bias the lever into a plane defined by the lower wall when the faceplate is in the first position,

wherein the lever includes a forked member located such that the torsion members are positioned between the first end and the forked member, and

wherein the forked member is positioned to push the transceiver latch away from the boss when the faceplate is rotated into the second position.

20. The transceiver assembly according to Claim 15, wherein the lever is connected to the housing by torsion members that bias the lever into a plane defined by the lower wall when the faceplate is in the first position,

wherein the boss is formed on a second end of the lever such that the torsion members are positioned between the first end and the boss, and

wherein the cam pulls the first end of the lever when the faceplate is rotated into the second position such that the boss is disengaged from the transceiver latch.

20